

Model : \_\_\_\_\_  
 Name : \_\_\_\_\_  
 Project Name : \_\_\_\_\_  
 \_\_\_\_\_  
 Project Area : \_\_\_\_\_  
 Project Item : \_\_\_\_\_



Laboratory cold storage - Ultrafreezing -40°C

**Model: MFV-550**

Reference	19085275
Dimensions (mm)	930 x 1041 x 1947
Gross internal volume (L)	531
Temperature	3
Number of shelves	1
Lock	4

## General features

### Controlled long-term storage down to -40°C ± 0.1°C

Effimed covers all sample preservation needs with its wide range of -40°C ultra freezers, addressing both the most demanding sample storage scenarios with maximum precision and efficiency, as well as less demanding needs, adapting to all kinds of processes.

#### Features:

- Security through 8 control points with associated alarm.
- Data backup of the last 72 hours in case of system failure.
- Platinum temperature sensors for maximum measurement accuracy.
- Remote communication and information reporting.

#### Communication:

- High precision digital controller.
- USB port for temperature data download.
- RS485 connection.

#### Operating control:

##### Alarm system monitoring:

- High/low product temperature.
- High ambient temperature.
- Power failure.
- Low battery.
- Sensor error.
- System failure.
- Condenser cooling failure.
- USB data log failure.
- Door ajar.
- Main board communication error.

#### Eco-design:

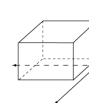
- Cooling system using environmentally friendly refrigerant.
- High-efficiency compressors.
- Doors with two-layer thermal insulation.
- 130mm thick insulation.

#### Intuitive access:

- Double door system that improves insulation and energy consumption.
- Anatomic handle and vacuum valve for easy opening.

#### Options:

- Storage accessories made of AISI 304 to optimize Ultra freezer capacity and organization drawers.
- Printer.



Packaging dimensions:  
 Gross length (Front view): 1035 MM  
 Gross width (Depth): 1165 MM  
 Gross height 2157 MM  
 Gross / packaged weight: 305 KG

**MEASURES AND WEIGHT**

Net High (mm):	1947
Net Depth (mm):	1041
Net Width (mm):	930
Gross weight / packaged (kg):	305
Gross height / packaged (mm):	2157
Gross width / packaged (mm):	1165
Gross length / packaged (mm):	1035

**PRODUCT SPECIFICATIONS MEDICAL**

Wheels:	Yes
Lock:	Yes
Inner material:	Stainless steel
Plug type:	European (Type F)
Noise level (dB):	43
Market Scope:	European
Gross internal volume (L):	525
Shelf material:	Stainless steel
Reversible door L/R:	No
Ozone:	No
Number of shelves:	3
Inner height (mm):	1266
Inner width (mm):	585
Inner depth (mm):	696
External material:	Epoxy painted sheet metal
Insulation thickness:	130
External probe access (number):	2
Sliding pull-out drawers:	No
Internal doors, number:	4
Cryo box capacity 2':	001

**COLD TECHNICAL SPECIFICATIONS MEDICAL**

Condensation system:	Static
Temperature:	-20°C/-40°C
GWP:	3
Defrost:	Manual
Type of cooling:	Static
Number of compressors:	1

**ELECTRICITY TECHNICAL SPECIFIC. MEDICAL**

Electric frequency:	50Hz
Voltage:	230V

**CONTROLLER SECURITY MEDICAL**

High-low temperature alarm:	Yes
Power failure alarm:	Yes
Probe failure alarm:	Yes
Door open alarm:	Yes
Battery back-up 72h:	Yes
USB port:	Yes
Max and min temperature memory:	Yes
Power free contact:	Yes
Safety thermostat:	Yes
Data Logger:	No
WIFI connection:	No
Controller with password:	Yes
Touch screen:	No

**Related families**



EVO Line



Stainless Sliding Racks



EVO Line



EVO Line

